

WHAT IS CLAIMED AS NEW AND DESIRED TO BE SECURED BY LETTERS
PATENT OF THE UNITED STATES IS:

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1. A sleeve member for enclosing an amputation stump, said member having a form fitting tubular shape with an open end into which an amputation stump may be introduced, a closed end opposite said open end, an interior and an exterior.

2. The sleeve member according to Claim 1, wherein said sleeve member is constructed of two or more sewn-together pieces of stretchable textile fabric and arranged such that, when worn, seams are present on either side of bony prominances of said stump.

3. A sock-shaped covering for enclosing an amputation stump, said covering having an open end for introduction of said stump and a closed and opposite said open end, said covering comprising a foamed or non-foamed gel composition having a Shore A durometer of from 1-20 and comprising a block copolymer and mineral oil.

4. The sock-shaped covering as claimed in Claim 3, said covering having an open end and a closed end opposite said open end, wherein said gel has a thickness profile such that the gel is thicker than the closed end of the covering than it is at the open end.

5. The sock-shaped covering as claimed in Claim 3, further comprising docking means for attaching said covering to a prosthetic device.

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6. The sock-shaped covering as claimed in Claim 3, wherein said covering further comprises fabric which is coated on the inside thereof with said gel.

7. The sock-shaped covering as claimed in Claim 4, wherein said covering further comprises fabric which is coated on the inside thereof with said gel.

8. The sock-shaped covering as claimed in Claim 5, wherein said covering further comprises fabric which is coated on the inside thereof with said gel.

9. The sock-shaped covering of Claim 6, further comprising additional gel or a thermoplastic elastomer coated on the outside thereof.

10. The sock-shaped covering of Claim 6, wherein said gel coating on the inside of said covering is arranged in a recessed achillies configuration.

~~11.~~ An open-ended cushion sleeve for use by an amputee or non-amputee, said open-ended sleeve being cylinder-shaped and comprising a polymeric gel composition, said polymeric gel composition comprising a block copolymer and mineral oil.

12. The sleeve as claimed in Claim 11, wherein the diameter of at least one open end of said cylinder is smaller than the diameter in a middle portion of the cylinder.

13. The sleeve as claimed in Claim 11, wherein said sleeve is constructed of fabric which is coated on the inside thereof with said gel.

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14. The sleeve as claimed in Claim 12, further comprising a band of fabric arranged at the inner middle portion of said cylinder and covering said gel.

15. The sleeve as claimed in Claim 11, wherein said gel is thinner at the open ends thereof than in the middle thereof.

16. The sleeve as claimed in Claim 11, wherein said gel is arranged in a recessed achilles configuration.

17. A polymeric gel comprising a block copolymer and mineral oil and having a Shore A durometer of from 1-20.

18. A cushioned fabric, comprising fabric coated with a polymeric gel comprising a block copolymer and mineral oil and having a Shore A durometer of 1-20.

19. The sock-shaped covering as claimed in Claim 3, wherein said covering further comprises one or more transducers.

20. The sleeve as claimed in Claim 11, further comprising an orthotic knee joint and constituting a knee brace.

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